

What is claimed is:

1. A diversity wireless device for providing diversity using a plurality of antennas comprising:
 - 5 an antenna which is grounded (grounded antenna) and an antenna which is not grounded (ungrounded antenna).
 - 10 2. The diversity wireless device as described in Claim 1 wherein a ground is placed in proximity to said ungrounded antenna and said ungrounded antenna is coupled to said ground via high-frequency waves.
 - 15 3. The diversity wireless device as described in Claim 1 wherein said device is structured so as to obtain an efficient diversity effect by maneuvering antenna directivity by changing at least one of an angle between said grounded antenna and said ungrounded antenna, and feeding points of said antennas.
 - 20 4. The diversity wireless device as described in Claim 2 wherein said device is structured so as to obtain an efficient diversity effect by maneuvering antenna directivity by changing at least one of an angle between said grounded antenna and said ungrounded antenna, and feeding points of said antennas.
 - 25 5. A diversity wireless device for providing diversity using a plurality of ungrounded antennas wherein a ground is placed in proximity to at least one of said ungrounded antennas and said ungrounded antenna is coupled to said

ground via high-frequency waves.

6. The diversity wireless device as described in Claim 5 wherein
said device is structured so as to obtain an efficient
5 diversity effect by maneuvering antenna directivity by changing at
least one of an angle between said ungrounded antennas and feeding
points thereof.

7. A diversity wireless device for providing diversity using a
10 plurality of antennas wherein

at least one ungrounded antenna is provided, a ground is
placed partly surrounding said ungrounded antenna, and said
ungrounded antenna and said ground are coupled to each other via
high-frequency waves.

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8. The diversity wireless device as described in Claim 7 wherein
said ground is composed of a plurality of laminated layers
and is placed so as to partly surround said ungrounded antenna three-
dimensionally, and said ungrounded antenna and said ground are
20 coupled to each other via high-frequency waves.

9. A wireless terminal unit having an antenna element, said
antenna element including:

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(a) a substrate;
(b) a first conductor section substantially in parallel to
said substrate; and
(c) a second conductor section successively formed from
said first conductor section and angularly arranged relative to said

substrate.

10. The wireless terminal unit as described in Claim 9 wherein
said first conductor section has a feed terminal; and
5 said second conductor section is structured so as to be
inclined in the direction away from said feed terminal, said inclination
being such that the space between said second conductor section and
said substrate reduces in the direction away from said feed terminal.

10 11. The wireless terminal unit as described in Claim 10 wherein
 said unit is structured to have two said antenna elements
and provide diversity using said two antenna elements, and said
elements are configured substantially laterally symmetrical with
respect to a longitudinal axis of the unit.

15 12. The wireless terminal unit as described in Claim 10
comprising:

 at least two said antenna elements provided in said unit
and a connector with a switch for connecting to an external antenna

20 wherein said unit is structured so as to switch one of said
internal antenna elements in said unit to said external antenna and to
provide diversity using said external antenna and the other internal
antenna element when said external antenna is connected to said
connector.

25 13. The wireless terminal unit as described in Claim 11 wherein
 said antenna elements are ungrounded, a ground is
placed in proximity to at least one of said ungrounded antenna

elements, and said ungrounded antenna is coupled to said ground via high-frequency waves.

14. The wireless terminal unit as described in Claim 12 wherein
5 said antenna elements are ungrounded, a ground is
placed in proximity to at least one of said ungrounded antenna
elements, and said ungrounded antenna is coupled to said ground via
high-frequency waves.